

FIG. 1

661' ATCAGTATCCTTGAATCGAAACCTTTTCTGAGTATTTAACAATCGCACCTTTAAAAAA

1" CTGAGTATTTAACAATCGCACCTTTAAAAAA

721' TGTAC-ATAGACATTAAGAGACTTAAACAGATATATAATCATTTTAAATTAAATAGCGT

33" TGTACAATAGACATTAAGAGACTTAAACAGATATATAATCATTTTAAATTAAATAGCGT

780' TAAACAGTACCTCAAGCTCAATAAGCATTTTAAAGTATTCTAATCTTAGTATTTCTCTAGC

93" TAAACAGTACCTCAAGCTCAATAAGCATTTTAAAGTATTCTAATCTTAGTATTTCTCTAGC

840' TGACATGTAAGAAGCAATCTATCTTATTGTATGCAATTAGCTCTTTGTGTGGATAAAAAG

153" TGACATGTAAGAAGCAATCTATCTTATTGTATGCAATTAGCTCATTGTGTGGATAAAAAG

900' GTAAACCATTTCTGAAACAGGAAACCAATACACTTCCTGTTAATCAACAAATCTAAACA

213" GTAAACCATTTCTGAAACAGGAAACCAATACACTTCCTGTTAATCAACAAATCTAAACA

960' TTTATTCTTTTCATCTGTTTACTCTTGCTCTTGCTCCACCACAATATGCTATTCACATGTT

273" TTTATTCTTTTCATCTGTTTACTCTTGCTCTTGCTCCACCACAATATGCTATTCACATGTT

1020' CAGTGTAGTTTTATGACAAAGAAAATTTTCTGAGTTACTTTTGTATCCCCACCCCTTAA

333" CAGTGTAGTTTTAGGACAAAGAAAATTTTCTGAGTTACTTTTGTATCCCCACCCCTTAA

1080' AGAAAGGAGGAAAACTGTTTCATACAGAAGGCGTTAATTGCATGAATTAGAGCTATCAC

393" AGAAAGGAGGAAAACTGTTTCATACAGAAGGCGTTAATTGCATGAATTAGAGCTATCAC

1140' CTAAGTGTGGGCTAATGTAACAAAGAGGGATTTCACCTACATCCATTCACTCAGTCTTTG

453" CTAAGTGTGGGCTAATGTAACAAAGAGGGATTTCACCTACATCCATTCACTCAGTCTTTG

1200' GGGGTTTAAAGAAATTCAAAGAGTCATCAGAAGAGGAAAAATGAAGGTAATGTTTTTC

513" GGGGTTTAAAGAAATTCAAAGAGTCATCAGAAGAGGAAAAATGAAGGTAATGTTTTTC

1260' AGACTGGTAAAGTCTTTGAAAATATGTGTAATATGTAAAACATTTTGACACCCCATAAAT

573" AGACAGGTAAAGTCTTTGAAAATATGTGTAATATGTAAAACATTTTGACACCCCATAAAT

1320' ATTTTCCAGAATTAACAGTATAAATTGCATCTCTTGTTCAAGAGTTCCCTATCA-CTC

633" ATTTTCCAGAATTAACAGTATAAATTGCATCTCTTGTTCAAGAGTTCCCTATCACTCTC

1378' TTTAATCACTACTCACAGTAACCTCAACTCCTGCCACAATGTACAGGATGCAACTCCTGT

693" TTTAATCACTACTCACAGTAACCTCAACTCCTGCCACAA

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FIG. 2

901' TAAAACCATTTCTGAAACAGGAAACCAATACACTTCCTGTTTAATCAACAAATCTAAACAT
1" GGGNNNNNGGNGATCCTCTACCACTATAGGGCGAATTGAATTTAGCG
961' TTATTCTTTTCATCTGTTTACTCTTGCTCTTGCTCCACCACAATATGCTATTCACATGTTT

49" GCCGCGANTTCGCCCTTCGCTAGCTGCTCTTGCTCCACCACAATATGCTATTCACATGTTT
1021' AGTGTAGTTTTATGACAAAGAAAATTTTCTGAGTTACTTTTGATCCCCACCCCTTAAA

109" AGTGTAGTTTTAGGACAAAGAAAATTTTCTGAGTTACTTTTGATCCCCACCCCTTAAA
1081' GAAAGGAGGAAAACTGTTTCATACAGAAGGCGTTAATTGCATGAATTAGAGCTATCACC

169" GAAAGGAGGAAAACTGTTTCATACAGAAGGCGTTAATTGCATGAATTAGAGCTATCACC
1141' TAAGTGTGGGCTAATGTAACAAAGAGGGATTTACCTACATCCATTCAGTCAGTCTTTGG

229" TAAGTGTGGGCTAATGTAACAAAGAGGGATTTACCTACATCCATTCAGTCAGTCTTTGG
1201' GGGTTTAAAGAAATTCCAAAGATCATCAGAAGAGGAAAAATGAAGGTAATGTTTTTCA

289" GGGTTTAAAGAAATTCCAAAGATCATCAGAAGAGGAAAAATGAAGGTAATGTTTTTCA
1261' GACTGGTAAAGTCTTTGAAAATATGTGTAATATGTAAACATTTTGACACCCCATATA
*** *****
349" GACAGGTAAGTCTTTGAAAATATGTGTAATATGTAAACATTTTGACACCCCATATA
1321' TTTTCCAGAATTAACAGTATAAATTGCATCTCTTGTTCAAGAGTTCCTATCA—CTCT

409" TTTTCCAGAATTAACAGTATAAATTGCATCTCTTGTTCAAGAGTTCCTATCACTCTCT
1379' TTAATCACTACTCACAGTAACCTCAACTCCTGCCACAATGTACAGGATGCAACTCCTGTC

469" TTAATCACTACTCACAGTAACCTCAACTCCTGCCACAAGCTTCGAAGGGCGAATTCGTT

FIG. 3

5281' GCCTCTGTCTCTCCCACTCCACCCCTTTCTCTTCTACCCCTATCCCACTCCTCGAGGAATCATCCCTGGCTCCCACTCA

1" TGCCTCTTTACTATAGGGCGAATTGAATTTAGCGGCCGCGAATTGCGCCCTTGATCTATCCCTGGCTCCCACTCA
5361' GTTTCGCGCTCCAAGGCAGCATGGCGGGCAAGAAGTTGAGGCCACTGTCCCTGGGTGTTCTACCCCAACCCCTCACC

76" GTTTCGCGCTCCAAGGCAGCATGGCGGGCAAGAAGTTGAGGCCACTGTCCCTGGGTGTTCTACCCCAACCCCTCACC
5441' CCAAGACAGCCTGTTACTGCGGCGCCAACAGCCACGGTCGCCTACATCTGATAAGACTTATCTGCTGCCCCAGGGCAGGC

156" CCAAGACAGCCTGTTACTGCGGCGCCAACAGCCACGGTCGCCTACATCTGATAAGACTTATCTGCTGCCCCAGGGCAGGC
5521' CGGAGCTGGCGTAAGCCCCAGTGGGGCGCTAAGTGAGTGTGCCCTGCCTCCCGCCAGCACTGGCCTGGCCTGCAGGCTT

236" CGGAGCTGGCGTAAGCCCCAGTGGGGCGCTAAGTGAGTGTGCCCTGCCTCCCGCCAGCACTGGCCTGGCCTGCAGGCTT
5601' AGCCTGGGTCAACAAGGTATCCCAAGGCTCTAGTTCAAATCCAGCAGAACCCTCTCTGAGCCTCACTCTTCTCACCTGCA

316" AGCCTGGGTCAACAAGGTATCCCAAGGCTCTAGTTCAAATCCAGCAGAACCCTCTCTGAGCCTCACTCTTCTCACCTGCA
5681' AAATGGGTACAGCCACATCCCTTCTCTCCCTGCAGCCAGGAAGACGCACATACACAGGAGTCTAGCCACACCGGCCCCG

396" AAATGGGTACAGCCACATCCCTTCTCTCCCTGCAGCCAGGAAGACGCACATACACAGGAGTCTAGCCACACCGGCCCCG
5761' CACAAATTAAGGGCTTTACTCTCTGAAAAGCCAGTGAAGTCATGAAACCATATCTGCTATTTTCATTTATCTTGTTTC

476" CACAAATTAAGGGCTTTACTCTCTGAAAAGCCAGTGAAGTCATGAAACCATATCTGCTATTTTCATTTATCTTGTTTC
5841' AGCCTATTTTGCTTGTCTGGACACTACAGTCCACGGGAGCCTAGGTCCAGCGAGGTCCAAGAATCCCCAGGGTGGGCAGG

556" AGCCTATTTTGCTTGTCTGGACACTACAGTCCACGGGAGCCTAGGTCCAGCGAGGTCCAAGAATCCCCAGGGTGGGCAGG
5921' GAGGGTGGAAGAGGGCCTCCAGTGCCCAAGAGGTGCCCCACAAGCATGGGACCCGCCCCCTCCCTGGACTGCCCCACCC

636" GAGGGTGGAAGAGGGCCTCCAGTGCCCAAGAGGTGCCCCACAAGCATGGGACCCGCCCCCTCCCTGGACTGCCCCACCC
6001' ACTGGGGCACCAGCCACTCCCTGGGGAGGAGGGAGGAGGAGAAGGGAGGGAGGGAGGGAGGGAAGGGAGCCTCAAA

716" ACTGGGGCACCAGCCACTCCCTGGGGAGGAGGGAGGAGGAGAAGGGAGGGAGGGAGGGAGGGAAGGGAGCCTCAAA
6081' GGCCAAGGCCAGCCAGGACACCCCTGGGATCACACTGAGCTTGCCACATCCCCAAGGCGCCGAACCTCCGCAACCAC

796" GGCCAAGGCCAGCCAGGACACCCCTGGGATCACACTGAGCTTGCCACATCCCCAAGGCGCCGAACCTCCGCAACCAC
6161' CAGCCCAGGTCACTCTCAGCCCCAGAGAGCCCCACCAAGGCAACCCTGGGCTGCTGCCCTACCTTATGCTTGCTC
876" CAAAGCTTATAAGGGCGAATTGCTT

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FIG. 4

2321' GTACAAATGCCATGGGGCCTGGACCAAGCAGGGGCTCTAGAACCCAGAAAGATGCCAGGAGGGAGTGAGCCAGTCAGGGA

1" TTATGGTACCACCCAGAAAGATGCCAGGAGGGAGTGAGCCAGTCAGGGA

2401' AGGCTTCCGAGAAGAGAGGACATTGAAGAAGAGTCTCAAACCTTAGGCCTGACGGAGAAGACGCGGGCCAGGACACCCCA

50" AGGCTTCCGAGAAGAGAGGACATTGAAGAAGAGTCTCAAACCTTAGGCCTGACGGAGAAGACGCGGGCCAGGACACCCCA

2481' CCCCCGCCCTCGTCTCCCCAAAGCCTGATCTGGCCCCACTGATTCCCTTATCTGCCCACTCCAGCTGCCTCCTTGCTG

130" CCCCCGCCCTCGTCTCCCCAAAGCCTGATCTGGCCCCACTGATTCCCTTATCTGCCCACTCCAGCTGCCTCCTTGCTG

2561' GCTGAACCTGTGCGCGCAGACTTCTGAGCCTGCGCCCCCTCCACGGGGATGGGGGAGGGAATGGGGTGAGGCCTGGCCTCA

210" GCTGAACCTGTGCGCGCAGACTTCTGAGCCTGCGCCCCCTCCACGGGGATGGGGGAGGGAATGGGGTGAGGCCTGGCCTCA

2641' CAGCCTCGGGGTTTCCAGCTCTTGCTGGAGGCAGGGCTCTGGGGCGCCCTACTCCTCACCCTTGGCTTCTTCTCCTGAGC

290" CAGCCTCGGGGTTTCCAGCTCTTGCTGGAGGCAGGGCTCTGGGGCGCCCTACTCCTCACCCTTGGCTTCTTCTCCTGAGC

2721' GCTCTGTGCTCTCCAGAAATGAAGAAATGGGGTGAGTCCAGCGGCCAAACCTTGTCTTAGCTCTTAGACATGCCTCGAG

370" GCTCTGTGCTCTCCAGAAATGAAGAAATGGGGTGAGTCCAGCGGCCAAACCTTGTCTTAGCTCTTAGACATGCCTCGAG

2801' CCTGCCATTCCCTGTGAGGACAGATTTCCTATGTTGCGACCGCTGCTTCTAATAATAATAATGATGATGATAATCCCA

450" CCTGCCATTCCCTGTGAGGACAGATTTCCTATGTTGCGACCGCTGCTTCTAATAATAATAATGATGATGATAATCCCA

2881' TTACAGAGCACACCATTTATGGTGTGCCAGCAGGCCCTGTGCTGAGTGGTTCTACCCAGTGGGGGGCTAGGACTTTA

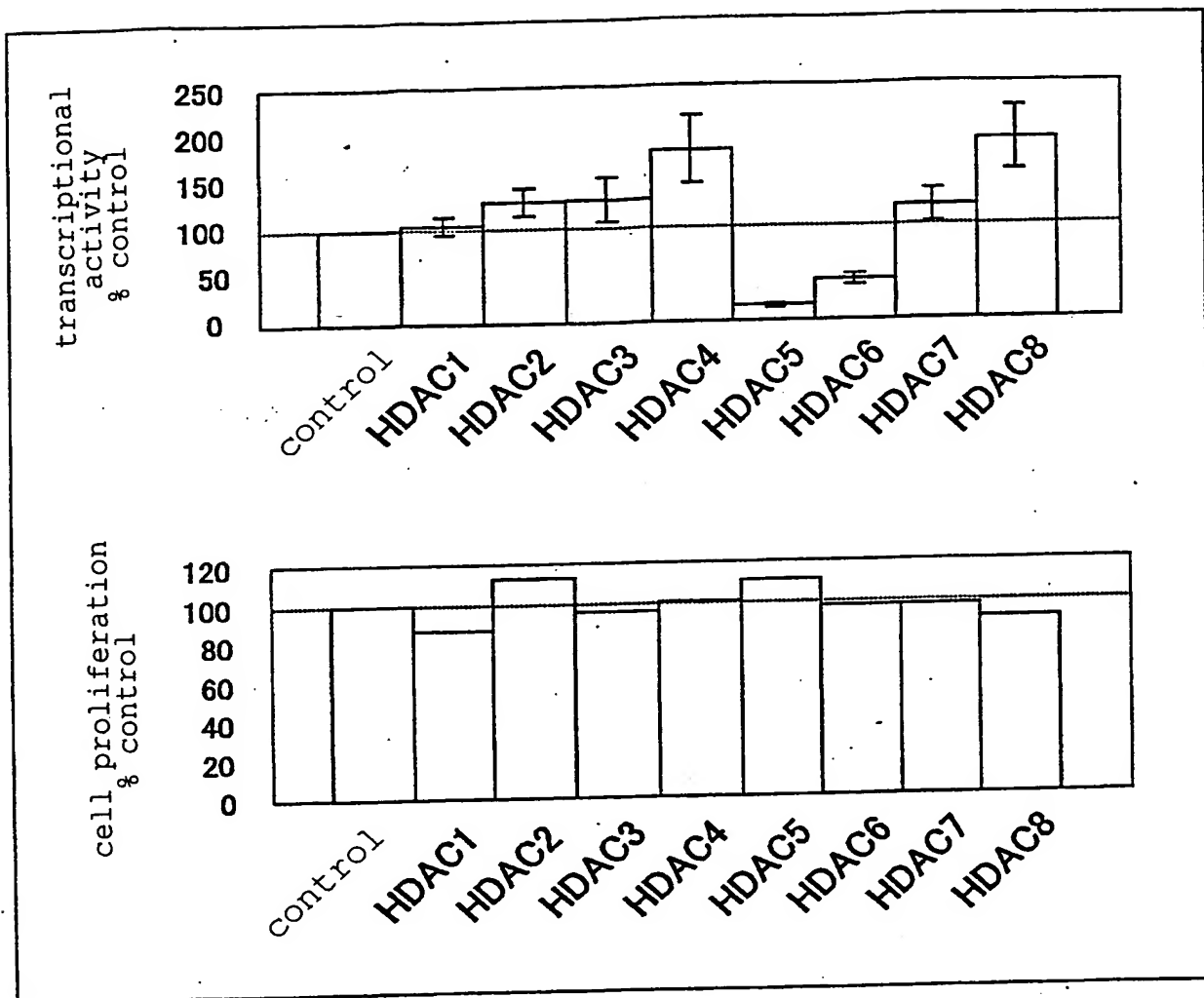
530" TTACAGAGCACACCATTTATGGTGTGCCAGCAGGCCCTGTGCTGAGTGGTTCTACCCAGTGGGGGGCTAGGACTTTA

2961' CCCGTTTTCCAGATGAAGAACTGAGGCTCAGAGGGCGTCTGGCCAGGAATCACACAGCAAATCACACAGCAAATCAGA

610" CCCGTTTTCCAGATGAAGAACTGAGGCTCAGAGGGCGCTAGCATAAGGGC

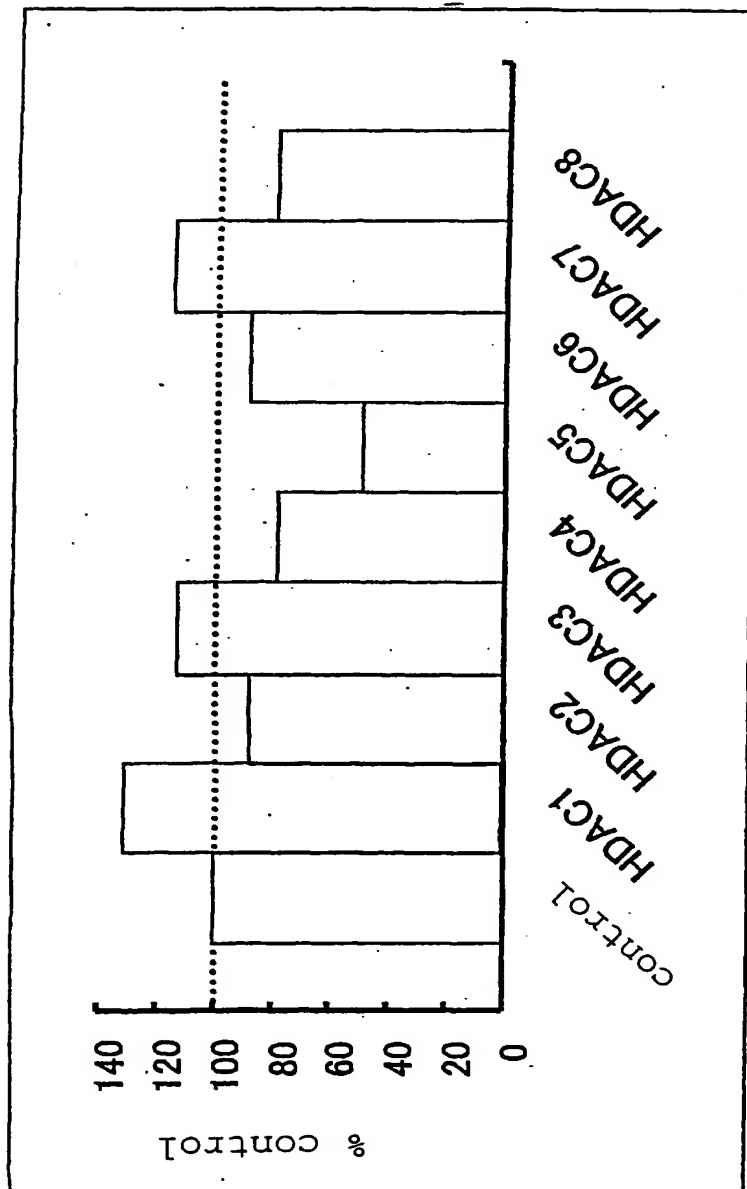
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FIG. 5



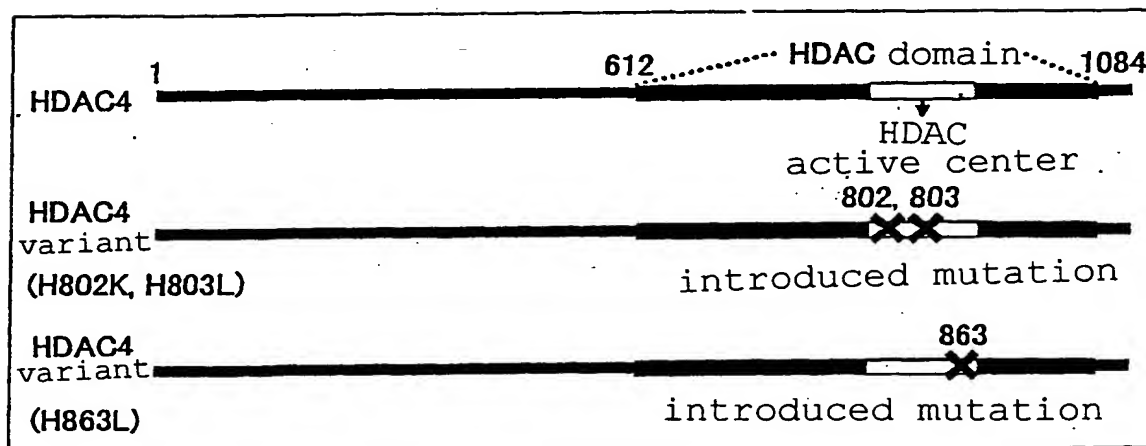
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FIG. 6



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FIG. 7



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FIG. 8

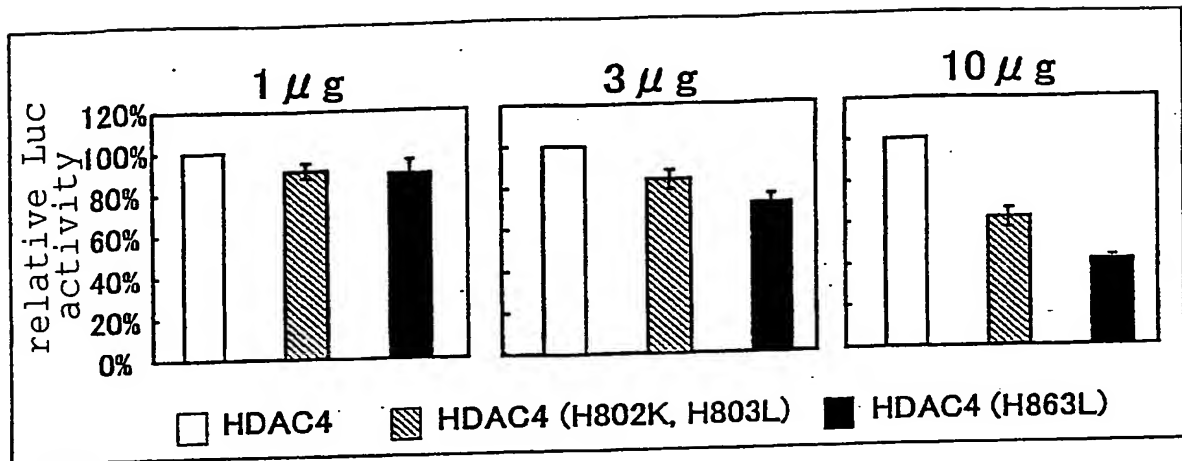
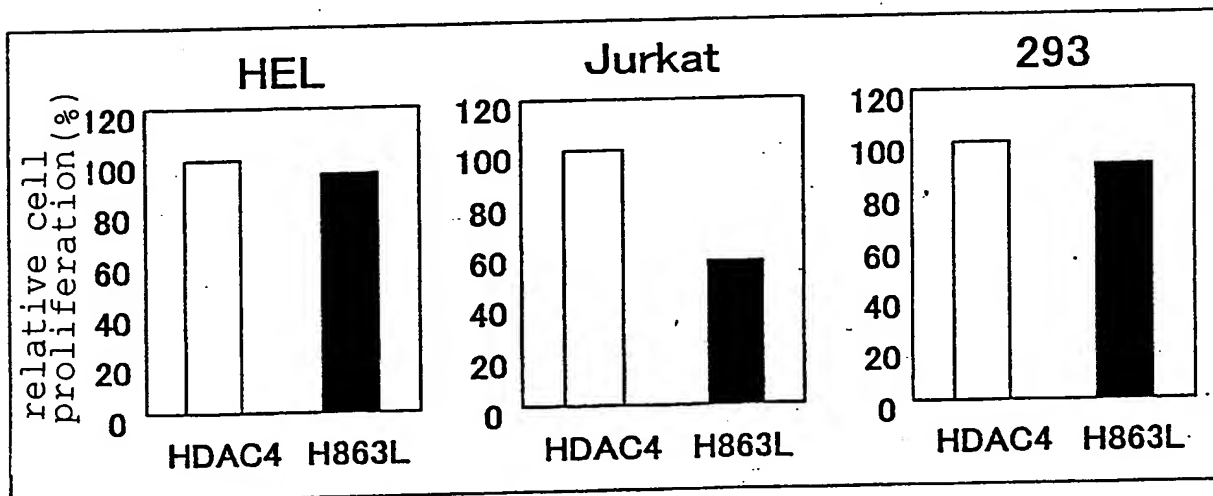


FIG. 9



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FIG. 10

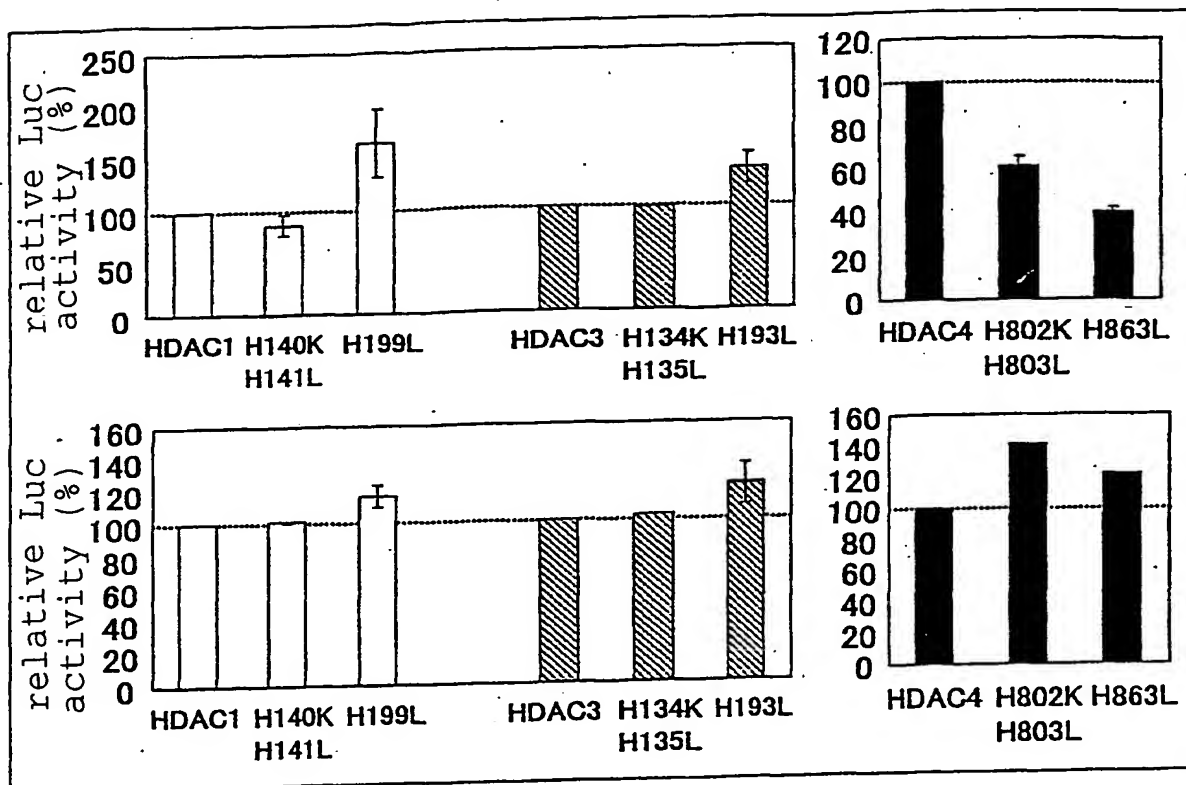
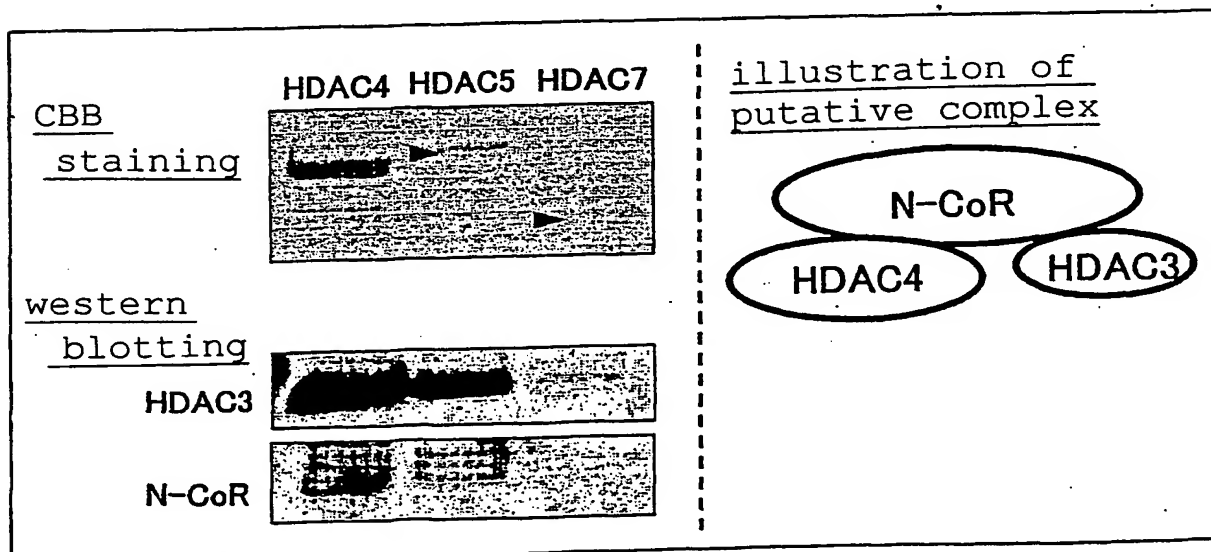


FIG. 11



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FIG. 12

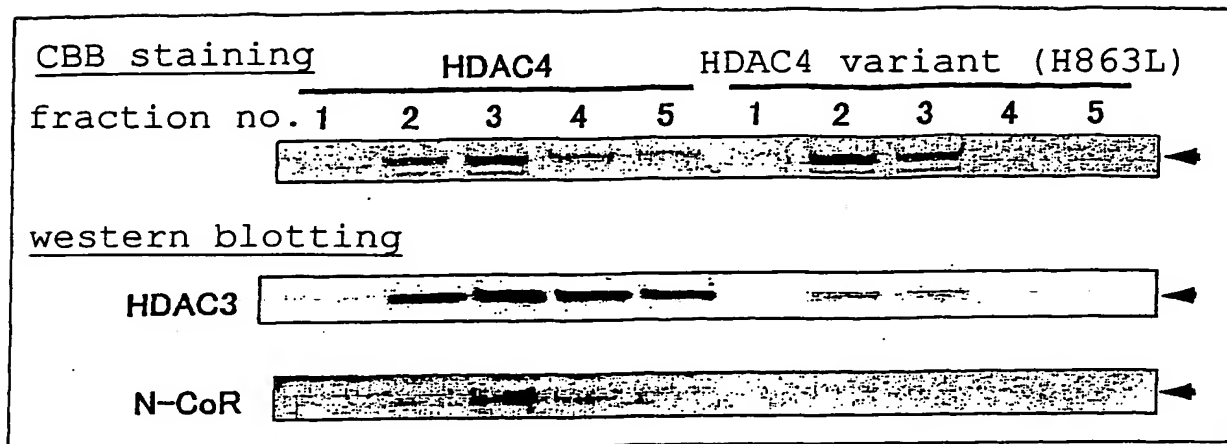
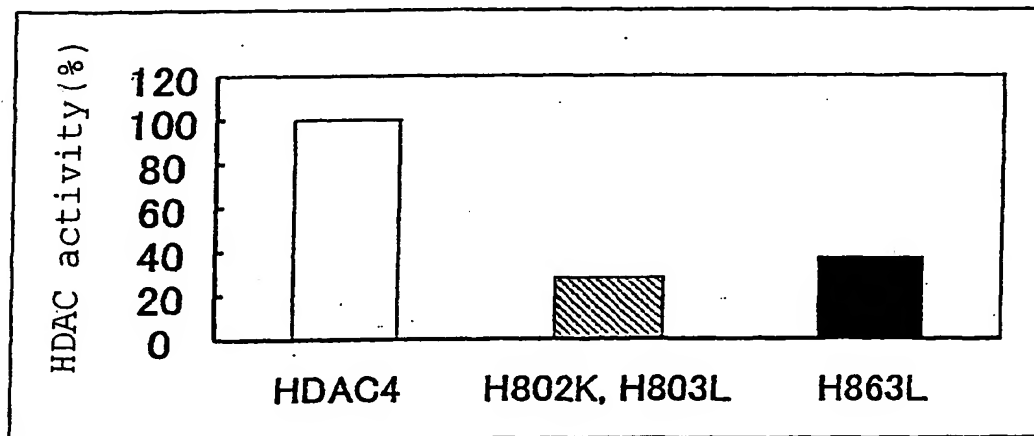


FIG. 13



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FIG. 14

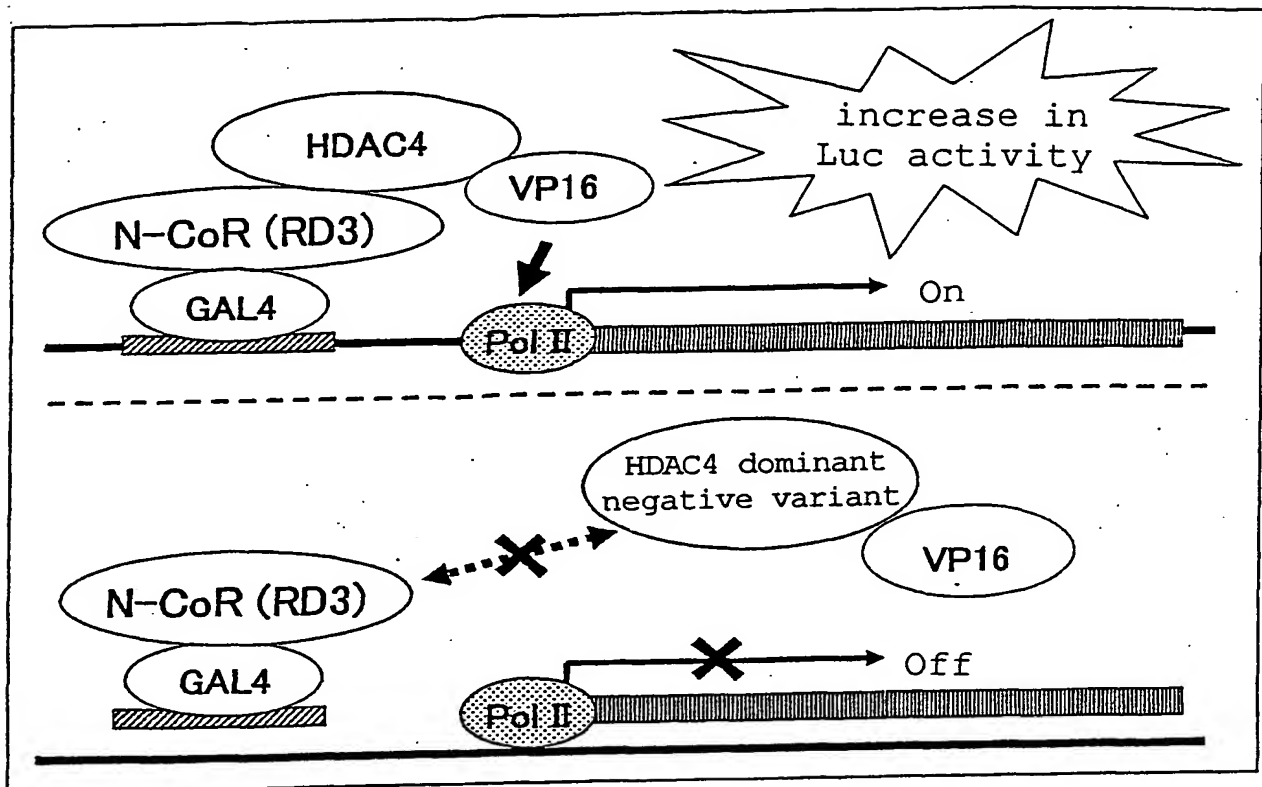
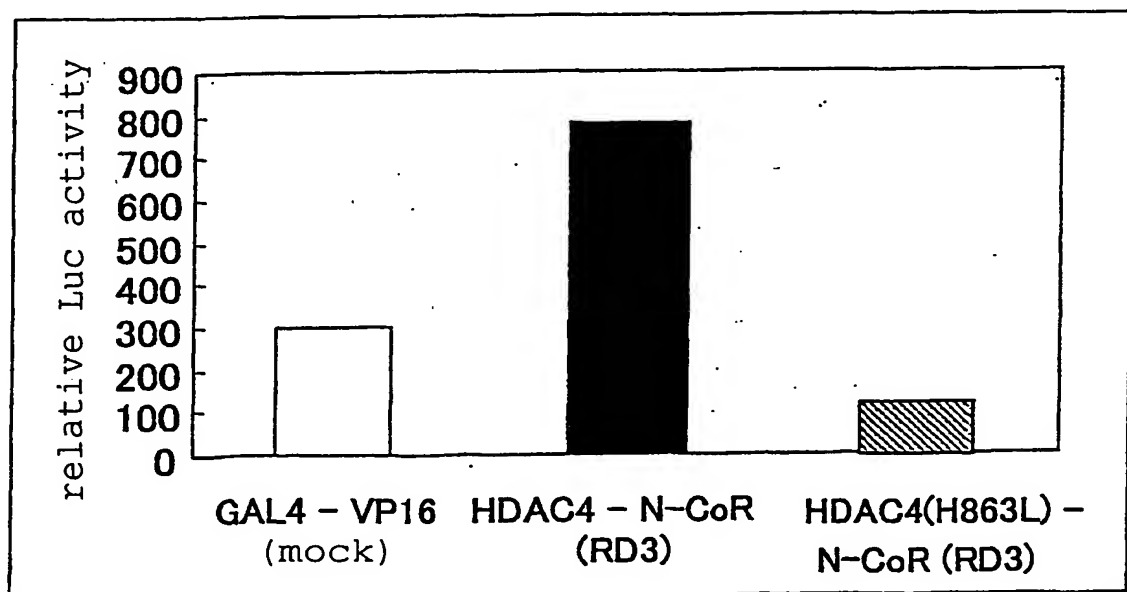


FIG. 15



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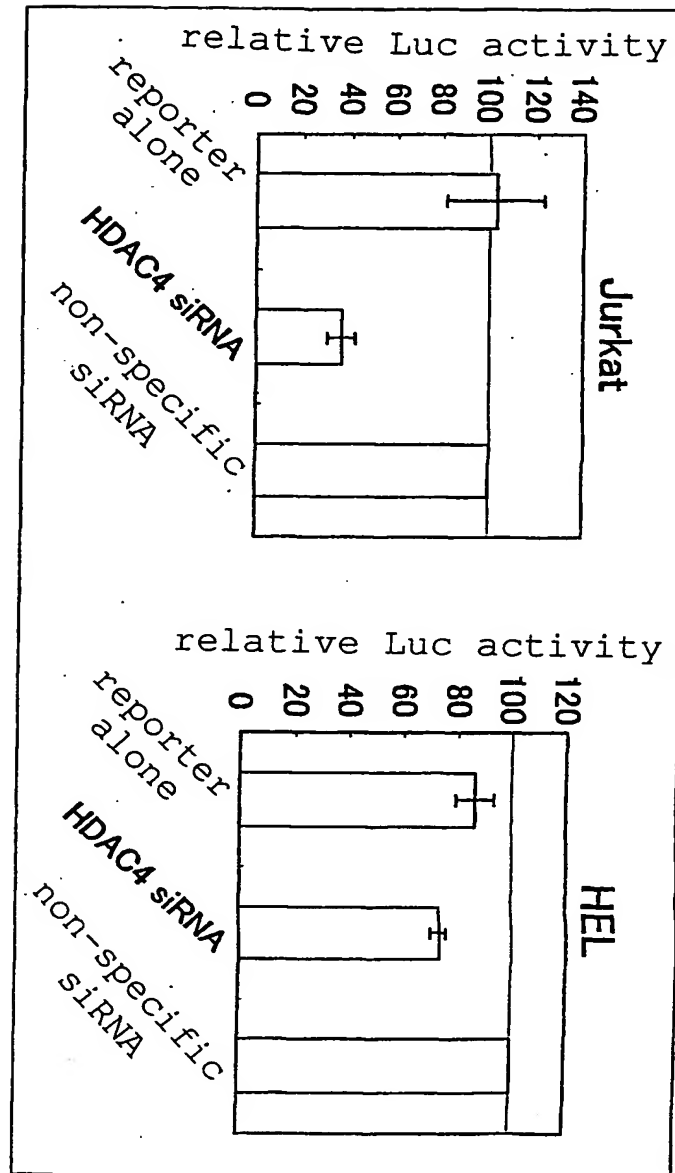


FIG. 16